

DT12 Rec'd PCT/PTO 07 JAN 2005

Attorney Docket No.: 71465.00012
Customer No.: 35161**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Hirohisa TANAKA et al.

Group Art Unit: Not Yet Assigned

Application No.: Not Yet Assigned

Examiner: Not Yet Assigned

Filed: January 7, 2005

Confirmation No.: Not Yet Assigned

For: EXHAUST GAS PURIFYING CATALYST

INFORMATION DISCLOSURE STATEMENTCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, it is requested that the reference listed on the attached PTO Form SB/08A be made of record.

The following references, Japanese Unexamined Patent Publication Nos. 5-220395 (w/abstract and English translation), 5-253484 (w/abstract and English translation), 6-210175 (w/abstract and English translation), 7-68175 (w/abstract and English translation), 7-80311 (w/abstract and English translation), which are described in the specification, are being submitted herewith. Also submitted is Japanese Unexamined Patent Publication No. 5-31367 (w/corresponding European Patent Publication No. 0525677 A1 in English), which is also described in the specification.

Additionally submitted are Japanese Unexamined Patent Publication No. 5-245372 (w/corresponding U.S. Patent No. 5,380,692), Japanese Unexamined Patent Publication Nos. 5-76762, 6-100319, 6-304449, 7-299360, 7-116519, 8-217461, 8-224446, and 2000-256017, each

with Abstract and English translation. We also submit five articles, "An Intelligent Catalyst," "Regeneration of Palladium Subsequent to Solid Solution and Segregation in a Perovskite Catalyst: an Intelligent Catalyst," "Time-resolved Time-of-flight Mass Spectrometry with Molecular-pulse-probes for Analysis of Dynamic Process in Surface Catalytic Reactions in the Millisecond Range (I)," "Time-resolved Time-of-flight Mass Spectrometry with Molecular-pulse-probes for Analysis of Dynamic Process in Surface Catalytic Reactions in the Millisecond Range (II)," and "Regeneration of Precious Metals in Various Designed Intelligent Perovskite Catalysts," as prior art references.

The following references, Japanese Unexamined Patent Publication Nos. 60-25544 (w/English abstract), 62-241552 (w/English abstract), 2-265648 (w/English abstract), 63-302950 (w/English abstract), and 11-207183 (w/English abstract and English translation), were characterized in the International Search Report attached herewith.

Since this Information Disclosure Statement is being filed within three months of the filing date of this application and before the mailing date of a first Office Action on the merits, no Statement under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

INFORMATION DISCLOSURE STATEMENT

Atty Docket No.: 71465.00010

The submission of the listed document is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,

Jean C. Edwards

Jean C. Edwards

Registration No. 41,728

Dickinson Wright PLLC
1901 L St., N.W.
Suite 800
Washington, D.C. 20036
Telephone: 202/659-6946
Facsimile: 202/659-1559
Date: January 7, 2005

DT12 Rec'd PCT/PTG 07 JAN 2005
PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known

Application Number	Not Yet Assigned
Filing Date	January 7, 2005
First Named Inventor	Hirohisa TANAKA
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	71465.00012

Sheet	1	of	5
-------	---	----	---

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
		JP 05-200395	08-31-1993	Daihatsu Motor	Abstract	✓
		JP 05-253484	10-05-1993	Daihatsu Motor	Abstract	✓
		JP 06-210175	08-02-1994	Daihatsu Motor	Abstract	✓
		JP 07-068175	03-14-1995	Daihatsu Motor	Abstract	✓
		JP 07-080311	03-28-1995	Daihatsu/Cataler	Abstract	✓
		JP 05-031367	02-09-1993			✓

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

DT12 Rec'd PCT/PTO 07 JAN 2005

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet	2
-------	---

of 5

Complete if Known

Application Number	Not Yet Assigned
--------------------	------------------

Filing Date	January 7, 2005
-------------	-----------------

First Named Inventor	Hirohisa TANAKA
----------------------	-----------------

Art Unit	Not Yet Assigned
----------	------------------

Examiner Name	Not Yet Assigned
---------------	------------------

Attorney Docket Number	71465.00012
------------------------	-------------

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
		EP 0 525 677 A1	02-03-1993	Daihatsu Motor		✓
		JP 05-245372	09-24-1993			✓
		JP 05-076762	03-30-1993	Sakai Chem	Abstract	✓
		JP 06-100319	04-12-1994	Toyota Central	Abstract	✓
		JP 06-304449	11-01-1994	Toyota Central	Abstract	✓
		JP 07-299360	11-14-1995	Cataler/Daihatsu	Abstract	✓

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

DT12 Rec'd PCT/PTO 07 JAN 2005

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet 3

of	5
----	---

Attorney Docket Number	71465.00012
------------------------	-------------

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)
for use through 07/31/2006. OMB 0651-0031
Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Attorney Docket Number	71465.00012
------------------------	-------------

Sheet	4	of	5
-------	---	----	---

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

10/520823

DT12 Rec'd PCT/PTO 07 JAN 2005

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	Not Yet Assigned
		Filing Date	January 7, 2005
		First Named Inventor	Hirohisa TANAKA
		Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Sheet 5	of 5	Attorney Docket Number	71465.00012

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Hirohisa TANAKA et al., An Intelligent Catalyst, Reprint: Advanced Catalytic Converters & Substrates for Gas Emission Syst. (SP-1573), SAE World Congress 2001	
		Hirohisa TANAKA et al., Regen. of Palladium Subsequent to Solid Solution & Segregation in a Perovskite Catalyst: An Intelligent Catalyst, Vols. 16/17, Nos. 1-4, Sept. 2001	
		T. MOTOHIRO et al., Time-resolved time-of-flight mass spectrometry with molecular-pulse-probes for analysis ..., (I), Reprint from Applied Science, 121/122 (1997), pgs. 319-322	
		T. MOTOHIRO et al., Time-resolved time-of-flight mass spectrometry with molecular-pulse-probes for analysis..., (II), Reprint from Applied Science, 121/122 (1997), pgs. 323-326	
		Nobuhiko KAJITA et al., Regeneration of Precious Metals in Various Designed ..., Reprint: New Emmissions Tech. from SAE 2002 World Congress (SP-1703) Detroit MI March 4-7 2002	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.